

### Current Pending Claims

1. (Previously presented) A method to promote wound healing in a patient, comprising:
  - administering a nucleic acid encoding a growth factor operably linked to a promoter to wounded tissue of a patient at a wound site; and
  - applying an electric field intradermally to the wounded tissue at the wound site in an amount sufficient to increase transfection of the nucleic acid encoding the growth factor.
2. (Original) The method of claim 1 wherein the electric field is applied in pulses.
3. (Previously Presented) The method of claim 2 wherein 6 to 18 pulses are applied to the wound site.
4. (Previously Presented) The method of claim 2 wherein the pulse is from 100 microseconds to 20 milliseconds in duration.
5. (Previously Presented) The method of claim 1 wherein the electric field is from 400 to 1800 V/cm.
6. (Original) The method of claim 2 wherein the pulse is a square wave pulse.
7. (Original) The method of claim 1 wherein the wound is cutaneous.
8. (Withdrawn) The method of claim 1 wherein the wound is muscular.
9. (Withdrawn) The method of claim 1 wherein the wound is an osseous lesion.
10. (Withdrawn) The method of claim 1 wherein the wound is a gastrointestinal anastomosis.
11. (Withdrawn) The method of claim 1 wherein the growth factor is Keratinocyte Growth Factor-1 (KGF-1).
12. (Withdrawn) The method of claim 1 wherein the growth factor is Platelet Derived Growth Factor (PDGF).
13. (Withdrawn) The method of claim 1 wherein the growth factor is vascular epidermal growth factor (VEGF).

14. (Original) The method of claim 1 wherein the growth factor is hypoxia induced factor 1- $\alpha$  (HIF 1- $\alpha$ ).
15. (Original) The method of claim 1 wherein the wound is a burn wound.
16. (Withdrawn) The method of claim 1 wherein the electric field is applied via an endoscope.
17. (Original) The method of claim 1 wherein the wound is a decubitus ulcer.
18. (Original) The method of claim 1 wherein one or more nucleic acids encoding at least two growth factors is administered.
19. (Original) The method of claim 1 wherein the nucleic acid is a plasmid.
20. (Original) The method of claim 1 wherein the patient is diabetic.
21. (Original) The method of claim 1 wherein the wound eschar is removed surgically prior to administering the nucleic acid.
22. (Previously Presented) A method to promote wound healing in a patient, comprising:
  - administering a nucleic acid encoding a HIF 1- $\alpha$  operably linked to a promoter to wounded tissue of a patient at a wound site; and
  - applying between 6 and 18 pulses of between 400 and 1800 V/cm and between 100 microseconds to 20 milliseconds intradermally to the wounded tissue at the wound site, whereby wound healing is stimulated.
23. (Original) The method of claim 22 wherein the wound eschar is removed surgically prior to administering the nucleic acid.
24. (Previously presented) The method of claim 22 wherein the nucleic acid is a plasmid.

25. (Withdrawn) A kit for treating wounds, comprising:  
a nucleic acid encoding a growth factor; and  
one or more electrodes for applying an electric field to a wound.
26. (Withdrawn) The kit of claim 25 wherein the electrode is disposable.
27. (Withdrawn) The kit of claim 25 wherein the electrode is sterile.
28. (Withdrawn) The kit of claim 25 wherein the electrode is needle-shaped.
29. (Withdrawn) The kit of claim 25 wherein the electrode is paddle-shaped.
30. (Withdrawn) The kit of claim 25 wherein the electrode is disk-shaped.
31. (Withdrawn) The kit of claim 25 wherein the electrode is stainless steel.
32. (Withdrawn) The kit of claim 25 wherein the electrode is gold-coated.
33. (Withdrawn) The kit of claim 25 wherein the electrode is gold-plated.
34. (Withdrawn) The kit of claim 25 wherein the electrode is gold-tipped.
35. (Withdrawn) The kit of claim 25 wherein the electrode is brass.
36. (Withdrawn) The kit of claim 25 wherein the electrode is coated with the nucleic acid.
37. (Withdrawn) The kit of claim 26 further comprising a re-usable handle for receiving the one or more electrodes.
38. (Withdrawn) The kit of claim 25 wherein the nucleic acid is in a container separate from the one or more electrodes.
39. (Withdrawn) The kit of claim 25 further comprising an electroporator configured to generate an electric field.
40. (Withdrawn) The kit of claim 25 further comprising an electroporator configured to generate an electric pulse.
41. (Previously presented) The method of claim 1 wherein pin electrodes are used to apply the electric field.
42. (Previously Presented) The method of claim 1 wherein the electric field is applied intradermally at the wound's border.
43. (Previously presented) The method of claim 1 wherein pin electrodes are used to apply the electric field to the wound's edges.
44. (Previously presented) The method of claim 1 wherein the nucleic acid is a plasmid and the step of administering employs intradermal injection.